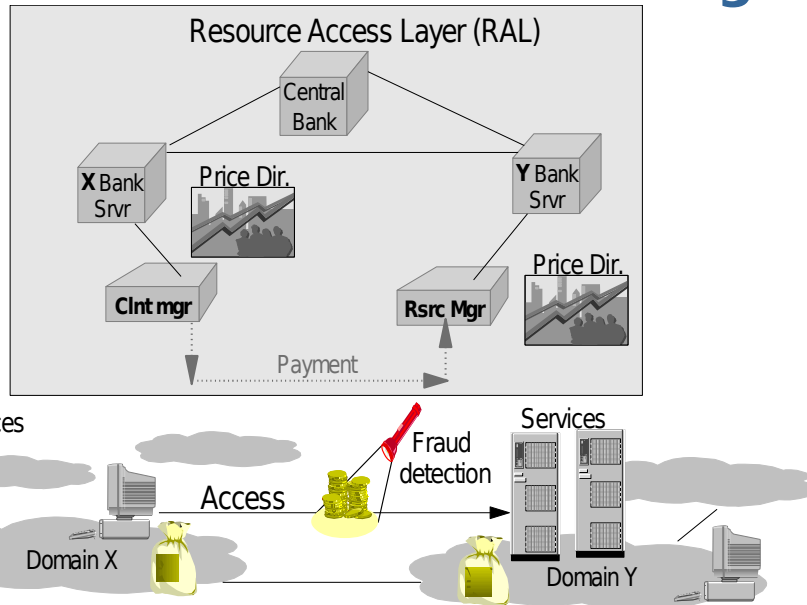


MarketNet: A Survivable Market-Based Architecture for Large-scale IS



New Ideas

- Survivability through economic-based resource mgmt technologies
- Unified, scalable, resource-independent access control via currency
 - Clients purchase access; domains use prices and currency availability to control access
- Establish quantifiable and tunable limits on the power of attackers
- Unified, automated intrusion monitoring and isolation of attack sources by monitoring currency flows
- Using supply and demand equilibrium to recover from resource loss due to failures/attacks

Impact

- New paradigms for scalable protection and survivability
- Develop, demonstrate, and export technologies for market-based survivable systems
 - Resource managers, clients, and protocols
 - Currency domains
 - Intrusion detection, isolation, and handling
- Wide distribution of MarketNet software; industry collaboration
- Contributions of MarketNet protocols to the IETF Integrated Services and related groups

Schedule

